

ALEKSANDAR SUSNJAR
25 SAINTSBURY RD
MARKHAM, ONTARIO L6C 2H9
CANADA

TEL/FAX: (905) 284-7853
CELL: (416) 721-7853

Applicant 30379
Application: 09/683,685
Art Unit: 2188

Fax

RECEIVED
CENTRAL FAX CENTER

SEP 01 2004

To:	Commissioner for Patents, Unit 2188	From:	Aleksandar Susnjar
Fax:	(703) 872-9306	Pages:	30 (THIRTY) including this cover page
Phone:		Date:	9/1/2004
Re:	Communication Paper 20040817	CC:	

Please find the included response to communication paper 20040817
mailed August 19th, 2004.

Regards,

Aleksandar Susnjar

Received cfc
(6)

Appn. # 09/683,685 (Aleksandar Susnjar) Exam.: Verbrugge, K

1/27

Application Number: 09/683,685
Application Filed: 02/03/2002
Applicant: Aleksandar Susnjar (30379)
Title: High-Speed Disk Drive System
Examiner: Kevin Verbrugge
Art Unit: 2188
Communication #: 20040831

**RECEIVED
CENTRAL FAX CENTER**

SEP 01 2004

Markham, Ontario 2004 September 1st, Wed

To: Commissioner for Patents

RESPONSE TO COMMUNICATION PAPER NO. 20040817

In response to the communication 20040817 mailed August 19th, 2004 please find the following included:

- ☐ General Comments
- ☐ Request for Continued Examination (PTO/SB/30) with extension of time fee and new claims
- ☐ Response to examiner's reasoning and petition against claim restrictions
- ☐ A drawing referenced from "Response to examiner's reasoning on claim restrictions"
- ☐ PTO/SB/30 (RCE Transmittal) form
- ☐ PTO-2038 (Credit Card Payment) form

IMPORTANT NOTE: This communication includes fee payment forms. One of the previous fees that I had to pay was charged twice. I would appreciate if that amount (US \$165) was deducted from the fee to be paid here instead of being refunded as I am loosing with any money transaction due to currency conversion. Please also check whether I do need to pay the time extension fee at all.

Appn. # 09/683,685 (Aleksandar Susnjar) Exam.: Verbrugge, K

2/27

General Comments

Examination of my invention has taken longer than expected. The application and claims did not seem to be well understood. Initial multiple dependencies between claims had to be removed which made for possibly confusing wording of the claims which, in turn, may have been the cause to incorrect interpretation and further examination.

After talking to the examiner I realized that I have to make new set of claims and attempt to word them better, in light of what I have learned about patent applications so far. The options I understood I have were:

- ☐ Have the notice of appeal filed, but applicable only to restricted (elected) set of claims
- ☐ Have the petition against restriction requirement filed for existing claims and hope it will be understood the way I intended to express application
- ☐ Having different claims by:
 - o filing a request for continued examination with amendments to existing claims
 - o filing a request for continued examination with new claims

I have already paid the fee for a response I made that was in a way both a notice of appeal and a petition against restriction. I was not aware that they have to be separate and that the appeal only applies to the elected (restricted) claims, as I viewed the appeal as something general, applying to both restriction requirement and claim rejections at the same time. The notice of appeal applicable to only restricted/elected claims does not help my application because the election was random, as I believed then and now that restriction should not have happened.

I was made aware that petition against restriction requirement usually does not get approved for whatever reason. I still believe that my reasoning is correct and that restriction requirement was wrong and that it improperly divided my invention

Appn. # 09/683,685 (Aleksandar Susnjar) Exam.: Verbrugge, K

3/27

into parts. For this reason it would be a proper thing to do to file a petition against this restriction requirement. However, I cannot risk my invention on this petition alone.

Taking option of having different claims can help my application by having them worded in such a way that they are less likely to be misunderstood or too broad. Amending existing claims would affect the appeal and petition processes. Filing new claims with the request for continued examination, as I understand would not. I am too pressed for time to make a proper decision about which is a proper way to go now. Since having both petition and new claims seems to allow me to postpone making this decision for later, I elected to take this approach and include better worded claims as new.

I have included the forms with the enclosed payment for the time extension fee within the first month. Please verify whether I truly do need to pay this fee. Also, please, if it is possible charge only the difference between the amount to be refunded to me and the total fee to be paid for this communication.

Appn. # 09/683,685 (Aleksandar Susnjar) Exam.: Verbrugge, K

4/27

Request for Continued Examination

To facilitate further examination of my application please find the RCE Transmittal (PTO/SB/30) and Credit Card Payment (PTO 2038 ()) forms enclosed.

The following are new claims to be entered into the application, with this RCE. I hope that they are going to better formally describe what I claim to be the invention than my original 19 claims.

Claim 20 (New)

A disk data storage device comprising of:

- one or more disks for storing data having track widths lesser than three times the maximum possible disk deformation in any direction,
- one or more actuators driving one or more head arms for each used surface,
- wherein at least two surfaces are used for storing any type of data,
- wherein each arm has a piezo-electric crystal-based fine head positioning system comprised of one or more such crystals to which heads are attached either directly or indirectly, such as via a lever, wherein the said crystals are controllably deformable to move the head in desired direction and distance,
- wherein the said fine head positioning system can move heads distant and precise enough to be able compensate for said deformations of disk material, deformations of actuator arm and deformations or production imprecision of any present components affecting relative positioning between the disks and heads or heads relative to one another,
- wherein the each of the said fine head positioning systems is independently controllable such that heads fitted on them can be independently moved into independent directions such that all the heads

Appn. # 09/683,685 (Aleksandar Susnjar) Exam.: Verbrugge, K

5/27

- on the same common actuator can be aligned on the same cylinder while maintaining the independence of heads on separate head arm actuators,
- wherein any or all of the heads available per surface can be used to read or write data on that surface, therefore having the ability to access data on any surface having at least one operational head for that surface,
 - logic and/or circuitry controlling all available head arm actuators and all independent fine head positioning systems wherein this logic positions all the heads on the cylinder designated for each head arm during a seek operation and maintains this position on that cylinder until a new position is needed for heads on that particular arm,
 - logic and/or circuitry capable of reading data from all (read) heads simultaneously and capable of writing data using all (write) heads

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.